

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10638 (1983): Forceps, Sponge Holding, Foerster's Pattern, Smooth or Serrated Jaws [MHD 1: Surgical Instruments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE

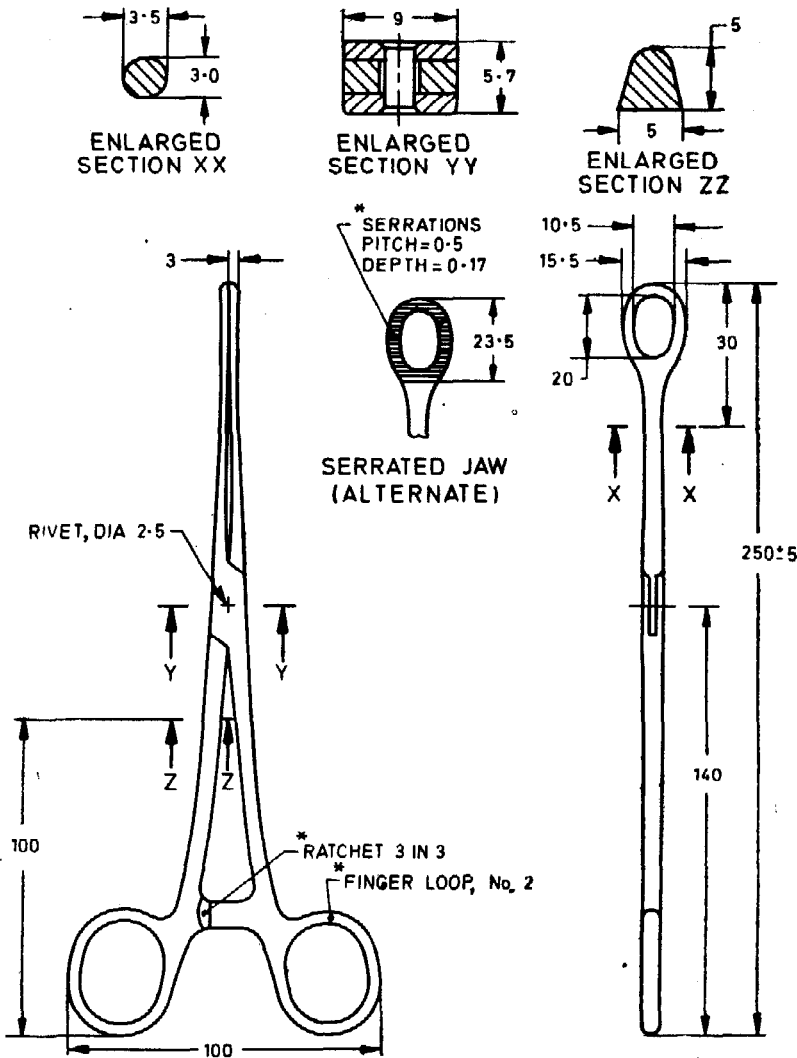




Indian Standard

SPECIFICATION FOR
FORCEPS, SPONGE HOLDING, FOERSTER'S
PATTERN, SMOOTH OR SERRATED JAWS

1. **Scope** — Dimensional and other requirements for Foerster's pattern, sponge holding forceps, with smooth or serrated jaws used in general surgery.
2. **Shape and Dimensions** — As shown in Fig. 1.



* See IS : 3642 - 1978 General requirements for surgical instruments
All dimensions in millimetres.

FIG. 1 FORCEPS, SPONGE HOLDING, SMOOTH AND SERRATED JAWS, FOERSTER'S PATTERN

- 2.1 A deviation of ± 2.5 percent shall be allowed on all dimensions where otherwise not specified.
3. **Material** — Stainless steel shall conform to designation 20Cr13 or 30Cr13 of IS: 6603 - 1972 'Specification for stainless steel bars and flats'.
4. **Workmanship and Finish**
- 4.1 The forceps shall be finished smooth and shall be free from burrs, pits, cracks and other surface defects.

4.2 The movements of the arms of the forceps shall be smooth.

4.3 The joints shall have no undue play.

4.4 The working ends shall meet accurately and shall have no side play.

4.5 The forceps shall be polished bright and passivated.

4.6 All the edges shall be even and rounded off except the serrations.

5. Heat Treatment — The forceps shall be hardened and tempered to give a hardness of 380 to 430 HV.

6. Tests

6.1 Grip a piece of hard rubber 6 mm thick between the working ends of the forceps. Tighten the grip so that the third ratchet engages. Release the grip. At the end of the test the forceps shall show no sign of damage.

6.2 Corrosion Resistance Test — The instrument shall satisfy the boiling and autoclaving test as mentioned in IS: 7531 - 1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'.

7. Marking — The forceps shall be marked with the manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel'.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — Each forceps shall be wrapped in moisture-proof paper and put in cardboard cartons or polyethylene bags. They may be packed as agreed to between the purchaser and the supplier.